

# SEQUENCE LISTING

<110> Merck & Co., Inc.  
Feng, Dong-Mei

<120> CONJUGATES USEFUL IN THE TREATMENT OF  
PROSTATE CANCER

<130> 20183Y

<150> 60/076,860

<151> 1998-03-05

<160> 108

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<400> 1

Asn Lys Ile Ser Tyr Gln Ser  
1 5

<210> 2

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<400> 2

Lys Ile Ser Tyr Gln Ser  
1 5

<210> 3

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<400> 3

Asn Lys Ile Ser Tyr Tyr Ser  
1 5

<210> 4

<211> 7

00924324 000001

<212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> completely synthetic amino acid sequence  
  
 <400> 4  
 Asn Lys Ala Ser Tyr Gln Ser  
 1 5

<210> 5  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> completely synthetic amino acid sequence

<400> 5  
 Ser Tyr Gln Ser Ser  
 1 5  
  
 <210> 6  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> completely synthetic amino acid sequence

<400> 6  
 Lys Tyr Gln Ser Ser  
 1 5  
  
 <210> 7  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> completely synthetic amino acid sequence  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> homoarginine

<400> 7  
 Xaa Tyr Gln Ser Ser  
 1 5  
  
 <210> 8  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>

<223> completely synthetic amino acid sequence  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> homoarginine  
 <221> VARIANT  
 <222> (2)...(2)  
 <223> cyclohexylalanine  
 <400> 8  
 Xaa Xaa Gln Ser Ser  
 1 5  
 <210> 9  
 <211> 4  
 <212> PRT  
 <213> Artificial Sequence  
 <220>  
 <223> completely synthetic amino acid sequence  
 <400> 9  
 Tyr Gln Ser Ser  
 1  
 <210> 10  
 <211> 4  
 <212> PRT  
 <213> Artificial Sequence  
 <220>  
 <223> completely synthetic amino acid sequence  
 <400> 10  
 Tyr Gln Ser Leu  
 1  
 <210> 11  
 <211> 4  
 <212> PRT  
 <213> Artificial Sequence  
 <220>  
 <223> completely synthetic amino acid sequence  
 <221> MOD\_RES  
 <222> (4)...(4)  
 <223> Nle  
 <400> 11  
 Tyr Gln Ser Leu  
 1  
 <210> 12  
 <211> 4

<212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> completely synthetic amino acid sequence  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> cyclohexylglycine

<400> 12  
 Xaa Gln Ser Leu  
 1

<210> 13  
 <211> 4  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> completely synthetic amino acid sequence  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> cyclohexylglycine  
  
 <221> MOD\_RES  
 <222> (4)...(4)  
 <223> Nle

<400> 13  
 Xaa Gln Ser Leu  
 1

<210> 14  
 <211> 4  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> completely synthetic amino acid sequence

<400> 14  
 Ser Tyr Gln Ser  
 1

<210> 15  
 <211> 4  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> completely synthetic amino acid sequence  
  
 <221> VARIANT  
 <222> (2)...(2)

**SECRET**

Ser Xaa Gln Ser

1

<211> 5

<213> Artificial Sequence

<223> completely synthetic amino acid sequence

Ser Tyr Gln Ser Val

1

5

<211> 5

<213> Artificial Sequence

<223> completely synthetic amino acid sequence

 $\langle 222 \rangle \quad (2) \dots (2)$ 

<223> clclohexylglycine

Ser Xaa Gln Ser Val

1

5

<211> 5

<213> Artificial Sequence

<223> completely synthetic amino acid sequence

Ser Tyr Gln Ser Leu

1

5

<211> 5

<213> Artificial Sequence

<223> completely synthetic amino acid sequence

 $\langle 222 \rangle \quad (2) \dots (2)$

<223> cyclohexylglycine

<400> 19

Ser Xaa Gln Ser Leu  
1 5

<210> 20

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<221> VARIANT

<222> (1)...(1)

<223> cyclic amino acid substituted with a hydrophilic moiety

<221> VARIANT

<222> (2)...(2)

<223> any amino acid

<400> 20

Xaa Xaa Ser Tyr Gln Ser  
1 5

<210> 21

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<221> VARIANT

<222> (1)...(1)

<223> cyclic amino acid substituted with a hydrophilic moiety

<221> VARIANT

<222> (2)...(2)

<223> any amino acid

<400> 21

Xaa Xaa Lys Tyr Gln Ser  
1 5

<210> 22

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence



<223> cyclic amino acid substituted with a hydrophilic moiety

<400> 24

Xaa Tyr Gln Ser

1

<210> 25

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<221> VARIANT

<222> (1)...(1)

<223> cyclic amino acid substituted with a hydrophilic moiety

<221> VARIANT

<222> (2)...(2)

<223> any amino acid

<221> VARIANT

<222> (4)...(4)

<223> cyclohexylglycine

<400> 25

Xaa Xaa Ser Xaa Gln Ser

1

5

<210> 26

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<221> VARIANT

<222> (1)...(1)

<223> cyclic amino acid substituted with a hydrophilic moiety

<221> VARIANT

<222> (2)...(2)

<223> cyclohexylglycine

<400> 26

Xaa Xaa Gln Ser

1

<210> 27

<211> 6

<212> PRT



<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<400> 27

Ser Ser Tyr Gln Ser Val  
1 5

<210> 28

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<221> VARIANT

<222> (3)...(3)

<223> cyclohexylglycine

<400> 28

Ser Ser Xaa Gln Ser Val  
1 5

<210> 29

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<400> 29

Ser Ser Tyr Gln Ser Leu  
1 5

<210> 30

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<221> VARIANT

<222> (3)...(3)

<223> cyclohexylglycine

<400> 30

Ser Ser Xaa Gln Ser Leu  
1 5

<210> 31

<211> 6

<212> PRT

T00000"42242550

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<400> 31

Ser Ser Tyr Gln Ser Ser  
1 5

<210> 32

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<221> VARIANT

<222> (3)...(3)

<223> cyclohexylglycine

<400> 32

Ser Ser Xaa Gln Ser Ser  
1 5

<210> 33

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<400> 33

Ser Ser Tyr Gln Ser Pro  
1 5

<210> 34

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<221> VARIANT

<222> (3)...(3)

<223> cyclohexylglycine

<400> 34

Ser Ser Xaa Gln Ser Pro  
1 5

<210> 35

<211> 6

<212> PRT

**THE UNIVERSITY OF CHICAGO**

<223> 4-hydroxyproline

Xaa Ser Ser Tyr Gln Ser  
1 5

<223> cyclohexylglycine

Xaa Ser Ser Xaa Gln Ser  
1 5

Ala Ser Tyr Gln Ser Val  
1 5

<223> cyclohexylglycine

[illegible]

<210> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<210> 40

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

## <221> VARIANT

 $\langle 222 \rangle \quad (3) \dots (3)$ 

<223> cyclohexylglycine

<400> 40

<210> 41

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<221> VARIANT

 $\langle 222 \rangle \quad (1) \dots (1)$ 

<223> 4-hydroxyproline

<400> 41

<210> 42

<211> 6

<212> PRT

<213> Artificial Sequence

**<220>**

<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> 4-hydroxyproline

<221> VARIANT  
<222> (4)...(4)  
<223> cyclohexylglycine

<400> 42  
Xaa Ala Ser Xaa Gln Ser  
1 5

<210> 43  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (3)...(3)  
<223> cyclohexylglycine

<400> 43  
Ser Ser Xaa Gln Ser Leu  
1 5

<210> 44  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (3)...(3)  
<223> cyclohexylglycine

<400> 44  
Ser Ser Xaa Gln Ser Val  
1 5

<210> 45  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (3)...(3)  
<223> cyclohexylglycine

<400> 45  
Ser Ser Xaa Gln Ser Pro  
1 5

<210> 46  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (3)...(3)  
<223> cyclohexylglycine

<400> 46  
Ser Ser Xaa Gln Ser Ser  
1 5

<210> 47  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (4)...(4)  
<223> cyclohexylglycine

<400> 47  
Ser Ser Ser Xaa Gln Ser Leu  
1 5

<210> 48  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (4)...(4)  
<223> cyclohexylglycine

<400> 48  
Ser Ser Ser Xaa Gln Ser Val  
1 5

<210> 49  
<211> 7  
<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<221> VARIANT

<222> (4)...(4)

<223> cyclohexylglycine

<400> 49

Ser Ser Ser Xaa Gln Ser Pro  
1 5

<210> 50

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<221> VARIANT

<222> (4)...(4)

<223> cyclohexylglycine

<400> 50

Ser Ser Ser Xaa Gln Ser Ser  
1 5

<210> 51

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<221> VARIANT

<222> (4)...(4)

<223> cyclohexylglycine

<400> 51

Ser Ala Ser Xaa Gln Ser Leu  
1 5

<210> 52

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<221> VARIANT

<222> (4)...(4)

<223> cyclohexylglycine

<400> 52  
Ser Ala Ser Xaa Gln Ser Val  
1 5

<210> 53  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> N-methylserine

<221> VARIANT  
<222> (4)...(4)  
<223> cyclohexylglycine

<400> 53  
Xaa Ser Ser Xaa Gln Ser Leu  
1 5

<210> 54  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> N-methylserine

<221> VARIANT  
<222> (4)...(4)  
<223> cyclohexylglycine

<400> 54  
Xaa Ser Ser Xaa Gln Ser Val  
1 5

<210> 55  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> 4-hydroxyproline



<400> 55  
Xaa Ser Ser Tyr Gln Ser Val  
1 5

<210> 56  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> 4-hydroxyproline

<400> 56  
Xaa Ser Ser Tyr Gln Ser Leu  
1 5

<210> 57  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> 4-hydroxyproline

<221> VARIANT  
<222> (4)...(4)  
<223> cyclohexylglycine

<400> 57  
Xaa Ser Ser Xaa Gln Ser Val  
1 5

<210> 58  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> 4-hydroxyproline

<221> VARIANT  
<222> (4)...(4)  
<223> cyclohexylglycine

<400> 58  
 Xaa Ser Ser Xaa Gln Ser Leu  
 1 5

<210> 59  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> completely synthetic amino acid sequence

<221> VARIANT  
 <222> (1)...(1)  
 <223> 4-hydroxyproline  
 <221> VARIANT  
 <222> (4)...(4)  
 <223> cyclohexylglycine

<400> 59  
 Xaa Ser Ser Xaa Gln Ser Ser  
 1 5

<210> 60  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> completely synthetic amino acid sequence

<221> VARIANT  
 <222> (1)...(1)  
 <223> 4-hydroxyproline

<221> VARIANT  
 <222> (4)...(4)  
 <223> cyclohexylglycine

<400> 60  
 Xaa Ser Ser Xaa Gln Ser Ser  
 1 5

<210> 61  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> completely synthetic amino acid sequence

<221> VARIANT  
 <222> (1)...(1)  
 <223> 4-hydroxyproline

<221> VARIANT  
<222> (4)...(4)  
<223> cyclohexylglycine

<400> 61  
Xaa Ser Ser Xaa Gln Ser Pro  
1 5

<210> 62  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> 4-hydroxyproline

<221> VARIANT  
<222> (4)...(4)  
<223> cyclohexylglycine

<400> 62  
Xaa Ser Ser Xaa Gln Ser Pro  
1 5

<210> 63  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> 4-hydroxyproline

<221> VARIANT  
<222> (4)...(4)  
<223> cyclohexylglycine

<400> 63  
Xaa Ala Ser Xaa Gln Ser Val  
1 5

<210> 64  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> 4-hydroxyproline

<221> VARIANT  
<222> (4)...(4)  
<223> cyclohexylglycine

<400> 64  
Xaa Ala Ser Xaa Gln Ser Leu  
1 5

<210> 65  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> 3,4-dihydroxyproline

<400> 65  
Xaa Ser Ser Tyr Gln Ser Val  
1 5

<210> 66  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> 3,4-dihydroxyproline

<400> 66  
Xaa Ser Ser Tyr Gln Ser Leu  
1 5

<210> 67  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> homoarginine

0992464-090901

<221> VARIANT  
<222> (4)...(4)  
<223> cyclohexylglycine

<400> 67  
Xaa Ser Ala Xaa Gln Ser Leu  
1 5

<210> 68  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (2)...(2)  
<223> homoarginine

<221> VARIANT  
<222> (3)...(3)  
<223> 4-hydroxyproline

<400> 68  
Ser Xaa Xaa Gln Ser Leu  
1 5

<210> 69  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> 4-hydroxyproline

<221> VARIANT  
<222> (2)...(2)  
<223> cyclohexylglycine

<400> 69  
Xaa Xaa Gln Ser Leu  
1 5

<210> 70  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<400> 70  
Asn Arg Ile Ser Tyr Gln Ser  
1 5

<210> 71  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<400> 71  
Asn Lys Val Ser Tyr Gln Ser  
1 5

<210> 72  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<400> 72  
Asn Lys Met Ser Tyr Gln Ser Ser  
1 5

<210> 73  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<400> 73  
Asn Lys Leu Ser Tyr Gln Ser Ser  
1 5

<210> 74  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<400> 74  
Asn Lys Ile Ser Tyr Gln Ser  
1 5

<210> 75  
<211> 8  
<212> PRT

**SECRET**

<223> completely synthetic amino acid sequence

<400> 75

Gln Lys Ile Ser Tyr Gln Ser Ser

1 5

<213> Artificial Sequence

<223> completely synthetic amino acid sequence

<223> 4-hydroxyproline

Asn Xaa Ile Ser Tyr Gln Ser  
1 5

<213> Artificial Sequence

<223> completely synthetic amino acid sequence

<223> 4-hydroxyproline

Asn Xaa Val Ser Tyr Gln Ser  
1 5

### <213> Artificial Sequence

<223> completely synthetic amino acid sequence

<223> 4-hydroxyproline

Xaa Ala Ser Tyr Gln Ser Ser  
1 5

<210> 79  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> 3,4-dihydroxyproline

<400> 79  
Xaa Ala Ser Tyr Gln Ser Ser  
1 5

<210> 80  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> 3-hydroxyproline

<221> VARIANT  
<222> (3)...(3)  
<223> cyclohexylglycine

<400> 80  
Xaa Ser Xaa Gln Ser  
1 5

<210> 81  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> 4-hydroxyproline

<221> VARIANT  
<222> (4)...(4)  
<223> cyclohexylglycine

<400> 81  
Xaa Ala Ser Xaa Gln Ser Ser  
1 5



<210> 82  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> completely synthetic amino acid sequence  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> N-acetyl-4-hydroxyproline  
  
 <221> VARIANT  
 <222> (4)...(4)  
 <223> cyclohexylglycine

<400> 82  
 Xaa Ala Ser Xaa Gln Ser  
 1 5

<210> 83  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> completely synthetic amino acid sequence  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> N-acetyl-4-hydroxyproline  
  
 <221> VARIANT  
 <222> (4)...(4)  
 <223> cyclohexylglycine

<400> 83  
 Xaa Ser Ser Xaa Gln Ser Ser  
 1 5

<210> 84  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> completely synthetic amino acid sequence  
  
 <221> VARIANT  
 <222> (1)...(1)  
 <223> N-acetyl-2-aminobutyric acid  
  
 <221> VARIANT  
 <222> (4)...(4)  
 <223> cyclohexylglycine

<400> 84  
Xaa Ser Ser Xaa Gln Ser Pro  
1 5

<210> 85  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> N-hydroxyacetyl-2-aminobutyric acid

<221> VARIANT  
<222> (4)...(4)  
<223> cyclohexylglycine

<400> 85  
Xaa Ser Ser Xaa Gln Ser Pro  
1 5

<210> 86  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> N-acetyl-serine

<221> VARIANT  
<222> (3)...(3)  
<223> cyclohexylglycine

<400> 86  
Xaa Ser Xaa Gln Ser Pro  
1 5

<210> 87  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (4)...(4)  
<223> N-acetyl-4-trans-L-hydroxyproline

<400> 87  
Ser Ser Ser Xaa Gln  
1 5

<210> 88  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> N-hydroxyacetyl-2-aminobutyric acid

<221> VARIANT  
<222> (4)...(4)  
<223> cyclohexylglycine

<400> 88  
Xaa Ser Ser Xaa Gln Ser  
1 5

<210> 89  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> N-hydroxyacetyl-2-aminobutyric acid

<221> VARIANT  
<222> (4)...(4)  
<223> cyclohexylglycine

<221> VARIANT  
<222> (7)...(7)  
<223> proline 1-cyclohexyl-2-aminopropyl ester

<400> 89  
Xaa Ser Ser Xaa Gln Ser Xaa  
1 5

<210> 90  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
 <222> (1)...(1)  
 <223> N-acetyl-4-trans-L-hydroxyproline

<221> VARIANT  
 <222> (4)...(4)  
 <223> cyclohexylglycine

<400> 90  
 Xaa Ser Ser Xaa Gln Ser  
 1 5

<210> 91  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> completely synthetic amino acid sequence

<221> VARIANT  
 <222> (1)...(1)  
 <223> N-acetyl-4-trans-L-hydroxyproline

<221> VARIANT  
 <222> (4)...(4)  
 <223> cyclohexylglycine

<221> VARIANT  
 <222> (6)...(6)  
 <223> serine 3-cyclopropyl-2-aminopropyl ester

<400> 91  
 Xaa Ser Ser Xaa Gln Xaa  
 1 5

<210> 92  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> completely synthetic amino acid sequence

<221> VARIANT  
 <222> (1)...(1)  
 <223> N-aceyl-4-trans-L-hydroxyproline

<221> VARIANT  
 <222> (4)...(4)  
 <223> cyclohexylglycine

<221> VARIANT  
 <222> (7)...(7)  
 <223> serine 3-cyclohexyl-2-aminopropyl ester

092424.030301

<400> 92  
Xaa Ser Ser Xaa Gln Ser Xaa  
1 5

<210> 93  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> N-acetyl-4-trans-L-hydroxyproline

<221> VARIANT  
<222> (4)...(4)  
<223> cyclohexylglycine

<221> VARIANT  
<222> (6)...(6)  
<223> serine 3-methyl-2-aminobutyl ester

<400> 93  
Xaa Ser Ser Xaa Gln Xaa  
1 5

<210> 94  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> ACETYLATION  
<222> (1)...(1)  
<223> N-acetyl serine

<221> VARIANT  
<222> (2)...(2)  
<223> cyclohexylglycine

<221> VARIANT  
<222> (5)...(5)  
<223> proline 1-cyclohexyl-2-aminopropyl ester

<400> 94  
Xaa Xaa Gln Ser Xaa  
1 5

<210> 95  
<211> 4  
<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<221> VARIANT

<222> (1)...(1)

<223> N-acetyl aminobutyric acid

<221> VARIANT

<222> (4)...(4)

<223> proline 1-cyclohexyl-2-aminopropyl ester

<400> 95

Xaa Gln Ser Xaa

1

<210> 96

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<221> ACETYLATION

<222> (1)...(1)

<223> N-acetylserine

<221> VARIANT

<222> (2)...(2)

<223> cyclohexylglycine

<221> VARIANT

<222> (6)...(6)

<223> sarcosine 3-cyclohexyl-2-aminopropyl ester

<400> 96

Xaa Xaa Gln Ser Ser Xaa

1

5

<210> 97

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> completely synthetic amino acid sequence

<221> ACETYLATION

<222> (1)...(1)

<223> N-acetylserine

<221> VARIANT

<222> (2)...(2)

<223> cyclohexylglycine

<221> VARIANT  
 <222> (5)...(5)  
 <223> 2-aminobutyric acid 3-cyclohexyl-2-aminopropyl ester

<400> 97  
 Xaa Xaa Gln Ser Xaa  
 1 5

<210> 98  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> completely synthetic amino acid sequence

<221> ACETYLATION  
 <222> (1)...(1)  
 <223> N-acetylserine

<221> VARIANT  
 <222> (2)...(2)  
 <223> cyclohexylglycine

<221> VARIANT  
 <222> (6)...(6)  
 <223> 4-trans-L-hydroxyproline  
 3-cyclohexyl-2-aminopropyl ester

<400> 98  
 Xaa Xaa Gln Ser Ser Xaa  
 1 5

<210> 99  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> completely synthetic amino acid sequence

<221> ACETYLATION  
 <222> (1)...(1)  
 <223> N-acetylserine

<221> VARIANT  
 <222> (2)...(2)  
 <223> cyclohexylglycine

<221> VARIANT  
 <222> (6)...(6)  
 <223> pipecolinic acid 3-cyclohexyl-2-aminopropyl ester

<400> 99

Xaa Xaa Gln Ser Ser Xaa  
1 5

<210> 100  
<211> 5  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> completely synthetic amino acid sequence  
  
<221> ACETYLATION  
<222> (1)...(1)  
<223> N-acetylserine  
  
<221> VARIANT  
<222> (2)...(2)  
<223> cyclohexylglycine  
  
<221> VARIANT  
<222> (5)...(5)  
<223> serine 3-cyclohexyl-2-aminopropyl ester

<400> 100  
Xaa Xaa Gln Ser Xaa  
1 5

<210> 101  
<211> 6  
<212> PRT  
<213> Artificial Sequence  
  
<220>  
<223> completely synthetic amino acid sequence  
  
<221> ACETYLATION  
<222> (1)...(1)  
<223> N-acetylserine  
  
<221> VARIANT  
<222> (2)...(2)  
<223> cyclohexylglycine  
  
<221> VARIANT  
<222> (6)...(6)  
<223> 4-aminobutyric acid 3-cyclohexyl-2-aminopropyl ester

<400> 101  
Xaa Xaa Gln Ser Ser Xaa  
1 5

<210> 102  
<211> 7  
<212> PRT  
<213> Artificial Sequence



<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (1)...(1)  
<223> N-acetyl-4-trans-L-hydroxyproline

<221> VARIANT  
<222> (4)...(4)  
<223> cyclohexylglycine

<221> VARIANT  
<222> (7)...(7)  
<223> proline 3-cyclohexyl-2-aminopropyl ester

<400> 102  
Xaa Ser Ser Xaa Gln Ser Xaa  
1 5

<210> 103  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> ACETYLATION  
<222> (1)...(1)  
<223> N-acetylserine

<221> VARIANT  
<222> (3)...(3)  
<223> cyclohexylglycine

<221> VARIANT  
<222> (7)...(7)  
<223> proline 3-cyclohexyl-2-aminopropyl ester

<400> 103  
Xaa Ser Xaa Gln Ser Ser Xaa  
1 5

<210> 104  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> ACETYLATION  
<222> (1)...(1)  
<223> N-acetylserine

<221> VARIANT  
 <222> (2)...(2)  
 <223> cyclohexylglycine  
  
 <221> VARIANT  
 <222> (6)...(6)  
 <223> proline 3-cyclohexyl-2-aminopropyl ester  
  
 <400> 104  
 Ser Xaa Gln Ser Ser Xaa  
 1 5

<210> 105  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> completely synthetic amino acid sequence

<221> VARIANT  
 <222> (1)...(1)  
 <223> N-acetyl-2-aminobutyric acid

<221> VARIANT  
 <222> (4)...(4)  
 <223> cyclohexylglycine

<221> VARIANT  
 <222> (7)...(7)  
 <223> serine 3-cyclohexyl-2-aminopropyl ester

<400> 105  
 Xaa Ser Ser Xaa Gln Xaa  
 1 5

<210> 106  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> completely synthetic amino acid sequence

<221> VARIANT  
 <222> (2)...(2)  
 <223> cyclohexylglycine

<400> 106  
 Ser Xaa Gln Ser Ser  
 1 5

<210> 107  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (2)...(2)  
<223> cyclohexylglycine

<400> 107  
Ser Xaa Gln Ser Pro  
1 5

<210> 108  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> completely synthetic amino acid sequence

<221> VARIANT  
<222> (2)...(2)  
<223> cyclohexylglycine

<221> VARIANT  
<222> (5)...(5)  
<223> 2-aminobutyric acid

<400> 108  
Ser Xaa Gln Ser Xaa  
1 5

0924824 080801